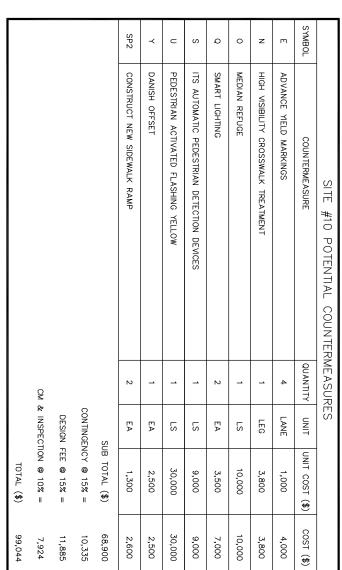
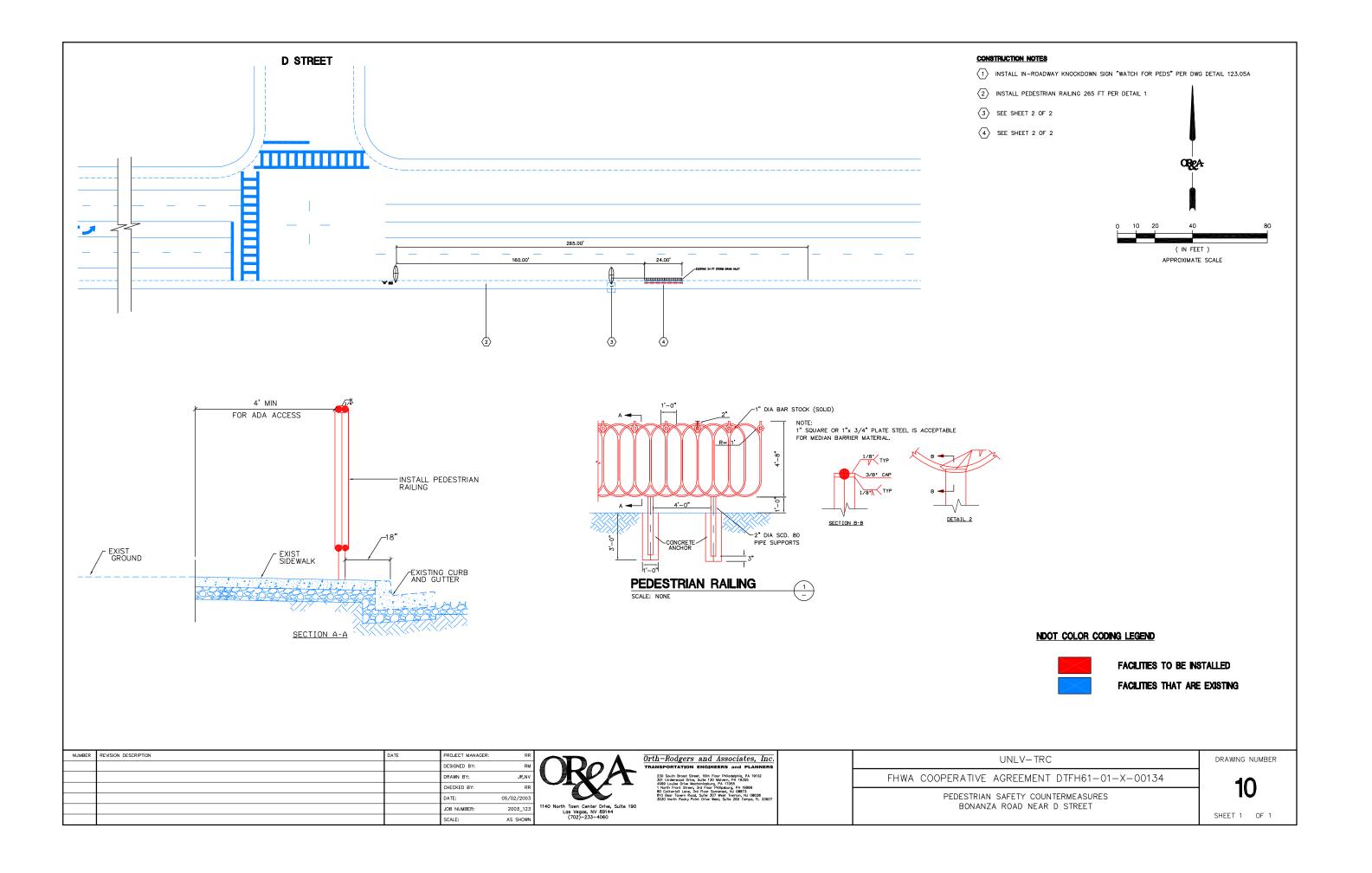


Orth-Rodgers and Associates, Inc.
TRANSPORTATION ENGINEERS and PLANNERS
200 Such Breed Street, 160 Floor Philadelphia, Pt. 19102
301 Indexence Office, Said: 330 Suchemon, 1930
301 Indexence Office, Said: 330 Suchemon, 1930
301 Indexence Office, Said: 330 Suchemon, 1930
302 Indexence Office, Said: 330 Suchemon, 1930
303 Such Breed, 340 Rose Office, 1930
303 Such Seed, Foot Direct Seed, 2010 Such Seed, 1930
303 Such Seed, Foot Direct Seed, 2010 Such Seed, 2010
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304 Such Seed, Foot Direct Seed, 2010
305 Such Seed, Foot Direct Seed, 2010
305 Such Seed, Foot Direct Seed, 2010
306 Such Seed, Foot Direct Seed, 2010
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307 Such Seed, 2010
308 Such Seed FHWA PEDESTRIAN SAFETY COOPERATIVE AGREEMENT DTFH61-01-X-00134 UNIVERSITY OF NEVADA LAS VEGAS TRANSPORTATION RESEARCH CENTER POTENTIAL COUNTERMEASURES FOR PEDESTRIAN FACILITIES
BONANZA ROAD NEAR D STREET SHEET OF SITE NUMBER

BONANZA ROAD





PROJECT MANAGER:

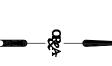
DESIGNED BY:

DRAWN BY:

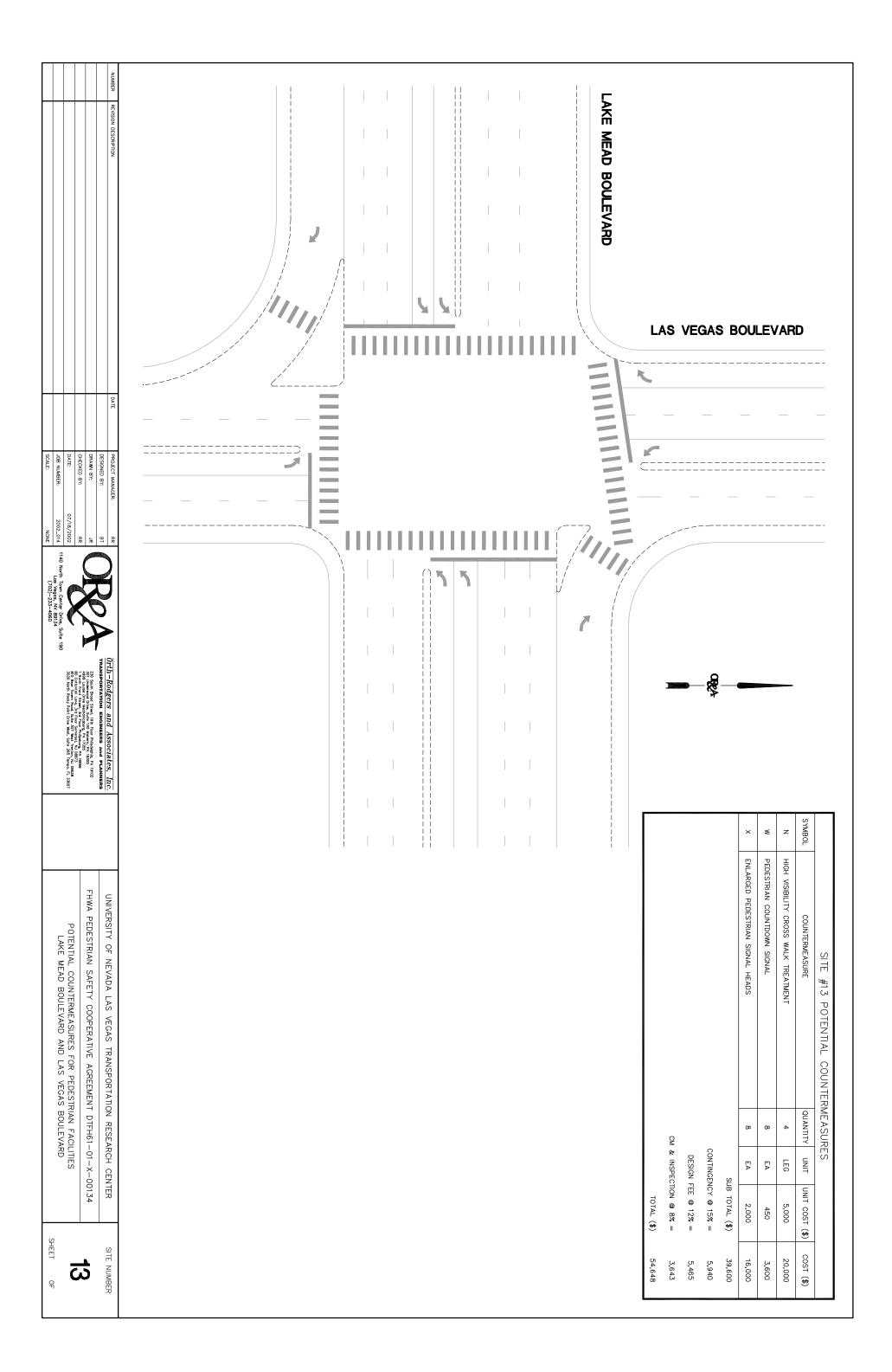
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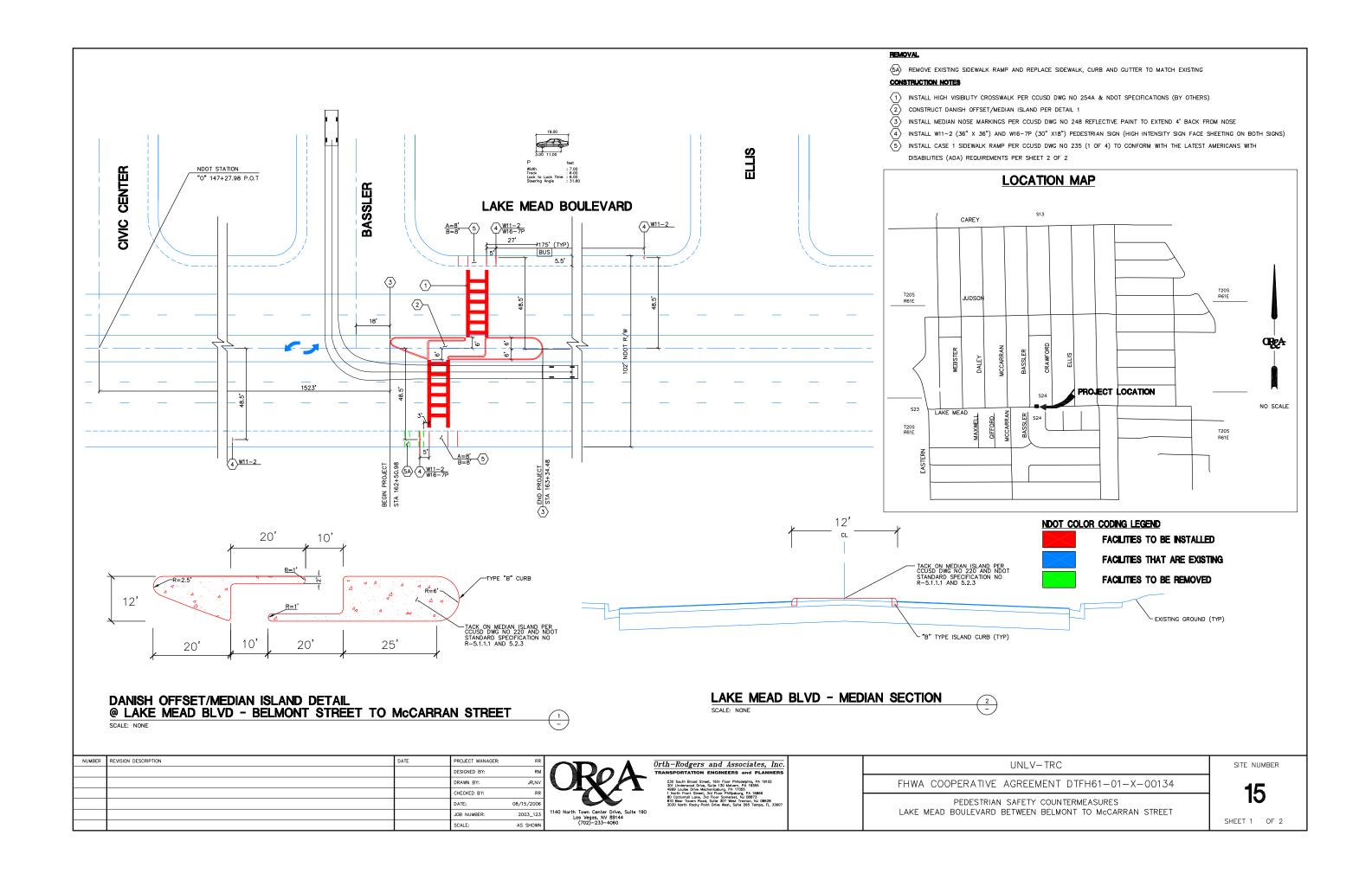
DATE: JOB NUMBER: SCALE: Orth-Rodgers and Associates, Inc.
TRANSPORTATION ENGINEERS and PLANNERS
230 Such from Steet, 180 Foor Philadephia, Pt 19102
331 (Footness Long Line 23) (Assembly Philadephia, Pt 1920)
331 (Footness Line 23) (Assembly Philadephia, Pt 1930)
332 (Footness Line 23) (Assembly Philadephia, Pt 1930)
333 (Rotting Line 24) (Footness Line 24) (1937) (1932)
333 (Rotting Line 24) (Footness Line 24) (1937) (1932)
333 (Rotting Line 24) (1932) (1932) (1932)
333 (Rotting Line 24) (1932) (1932) (1932) (1932) FHWA PEDESTRIAN SAFETY COOPERATIVE AGREEMENT DTFH61-01-X-00134 UNIVERSITY OF NEVADA LAS VEGAS TRANSPORTATION RESEARCH CENTER POTENTIAL COUNTERMEASURES FOR PEDESTRIAN FACILITIES
TWAIN AVENUE BETWEEN CAMBRIDGE STREET AND SWENSON STREET SHEET OF SITE NUMBER

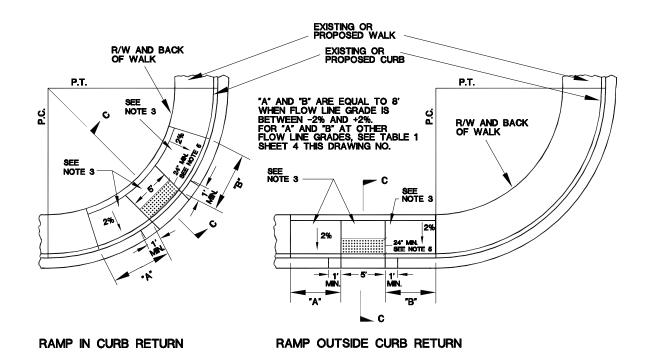
TWAIN AVENUE



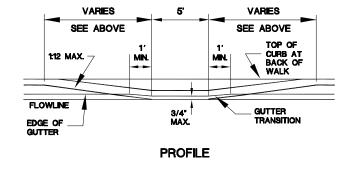
	SITE #11 POTENTIAL COUNTERMEASURES	MEASUR	ES		
SYMBOL	COUNTERMEASURE	QUANTITY UNIT	UNIT	UNIT COST (\$) COST (\$)	COST (\$)
т	IN-ROADWAY KNOCKDOWN SIGNS	8	ΕA	250	2,000
Т	PORTABLE SPEED TRAILERS	1	ΕA	15,000	15,000
			S	SUB TOTAL (\$)	17,000
			CONTINGE	CONTINGENCY @ 20% =	400
			DESIGN	DESIGN FEE @ 15% =	300
		CM a	& INSPECT	CM & INSPECTION @ 10% =	200
				TOTAL (\$)	17,900

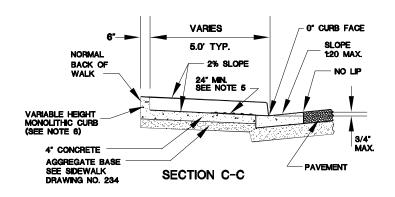






SIDEWALK RAMP CASE I





NOTES:

- SIDEWALK RAMP WITHIN CURB RETURN SHALL BE LOCATED AT THE MIDPOINT OF CURB RETURN UNLESS OTHERWISE APPROVED.
- SIDEWALK RAMPS OUTSIDE OF THE CURB RETURN SHALL BE LOCATED ADJACENT TO THE RETURN UNLESS OTHERWISE APPROVED.
- RAMPS SHALL BE CONSTRUCTED WITH A ROUGH BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
- 4. WHEN CONSTRUCTING RAMP WHERE CURB & GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB & GUTTER.
- 5. DETECTABLE WARNING CONSISTING OF RAISED
 TRUNCATED DOMES WHICH COMPLY WITH DETAILS
 ON SHEET 4 OF THIS DRAWING NO. AND CONTRASTING
 VISUALLY WITH ADJOINING SURFACES SHALL BE
 PLACED ON BOTTOM PORTION OF RAMP EXTENDING
 THE FULL WIDTH OF THE RAMP AND TO A MINIMUM
 DEPTH OF 24 INCHES. PAVER BLOCKS PERMITTED ONLY
 IN THE CITY OF BOULDER CITY FOR DETECTABLE WARNING AREAS.
- 6. CURB MAY BE PLACED AND IS PREFERRED BEHIND BACK OF WALK IF SUFFICIENT RIGHT-OF-WAY OR EASEMENTS EXIST AND AS APPROVED BY THE ENGINEER.

NUMBER	REVISION DESCRIPTION	DATE	PROJECT MANAGER:	RR
			DESIGNED BY:	RM
			DRAWN BY:	JR,NV
			CHECKED BY:	RR
			DATE:	08/15/2006
			JOB NUMBER:	2003_123
			SCALE:	AS SHOWN



Orth-Rodgers and Associates, Inc.

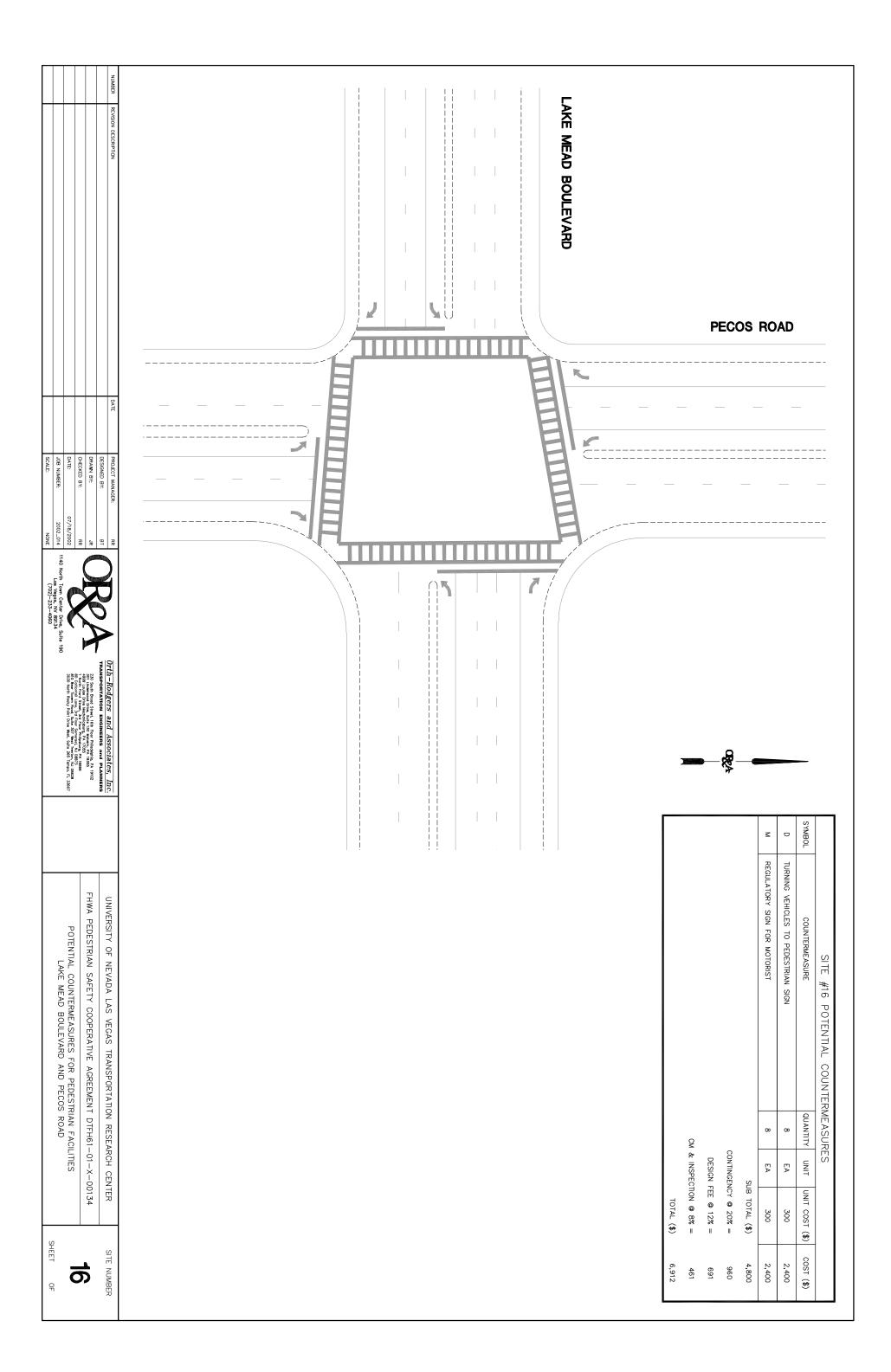
UNLV-TRC

FHWA COOPERATIVE AGREEMENT DTFH61-01-X-00134

PEDESTRIAN SAFETY COUNTERMEASURES LAKE MEAD BOULEVARD BETWEEN BELMONT TO McCARRAN STREET

SITE NUMBER

SHEET 2 OF 2



DRAWN BY: JR A A A A A A A A A	B7 P8				FREMONT STREET					
FHWA PEDESTRIAN SAFETY COOPERATIVE AGREEMENT DIFH61-01-X-00134 POTENTIAL COUNTERMEASURES FOR PEDESTRIAN FACILITIES FREMONT STREET BETWEEN 8TH STREET AND 6TH STREET	UNIVERSITY OF NEVADA LAS VEGAS TRANSPORTATION RESEARCH CENTER							IN-KOADWAY KNOCKDOWN SIGNS	우	#18 POTENTIAL
NT DTFH61-01-X-00134 TRIAN FACILITIES ND 6TH STREET SHEET OF	TION RESEARCH CENTER SITE NUMBER					TOTAL (\$) 2,928	DESIGN FEE @ 12% = 288	8 EA 250 2,000	ITY UNIT UNIT COST (\$) C	ES